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Litter Strategy Monitoring Wave 81 – May 2021 Report

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Project No: 11760

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Section 1

Introduction

- 1.1 This document has been prepared by McGregor Tan Research to report on Wave 81 of the quarterly KESAB Litter Monitor. Surveys for the current wave were conducted in South Australia during May 2021.

Background

- 1.2 Regular monitoring of the litter stream is necessary in order to maintain a clear picture of its components, such as the various material types that contribute to the litter stream as well as the distribution of litter across different area types. Keep South Australia Beautiful (KESAB) had been monitoring the State's litter stream for many years, but the level of detail required during the South Australian Government's moratorium on changes to Container Deposit Legislation was considerably greater than previously recorded.
- 1.3 An expanded monitoring program commenced in February 1998, and McGregor Tan Research was commissioned at that time to undertake the actual count and to report regularly on the outcomes. This expanded program has been continued ever since and is planned to continue in future as well.
- 1.4 The count was completed quarterly, with the exception of August 2002, carried out in February, May, August and November of each year until 2015. Since then, the data has been counted twice a year, in May and November.
- 1.5 During each Wave of the survey, litter counts are undertaken at 151 sites across South Australia. In conjunction with the national litter count, a review of all South Australian sites showed that 11 of the sites surveyed were disproportionately represented in the data. These original sites were found to be unusual in nature, and were replaced with 11 revised sites.
- 1.6 The data collection form utilised for the count was jointly developed by McGregor Tan Research and KESAB. A copy of this form is provided in Appendix 2.
- 1.7 In January 2003, Container Deposit Legislation (CDL) was extended to cover most beverages under 1 litre, such as juice cartons, fruit boxes, flavoured milk cartons, etc. As a result, a new method of analysing the data had to be adopted so that the changes to the CDL, and the effect on the total litter stream could be evaluated.

- 1.8 Prior to the August 2004 Litter Count, the data collection form was re-evaluated and re-designed to take into account the changes to the CDL and also to incorporate new categories for litter items that were previously coded as 'other' or in an inappropriate category. The changes that were made to the data collection form include:
- Plastic bags were separated into 3 types of litter:
 - Supermarket type lightweight shopping bags
 - Heavier glossy, typically branded carry bags
 - Sacks, sheeting and other bags
 - Bottle and can tops were moved and separated from the Miscellaneous Category into both 'plastic bottle top' and 'metal bottle and can tops'.
 - The following four litter types were also added to the Plastic Category:
 - Bread bag tags
 - Lollipop sticks
 - Spoons/ cutlery
 - Drink pouches
 - The Metal Cans category name was changed to Metal.
 - Foil takeaway was moved from Miscellaneous to Metal.
 - Cigarette butts were separated from the Miscellaneous Category.
 - Two extra items were added to the Paper/paperboard Category:
 - Paper bags
 - Shopper dockets & related shopping paper
- 1.9 In previous waves, the data collection form separated each litter type into CDL and non-CDL categories. However, extended Container Deposit Legislation (CDL) has now meant that the litter categories alone (e.g., Flavoured milk, < 1 litre) can be used to establish whether or not beverage containers are covered under CDL or not.
- 1.10 In order to determine the effectiveness of the current CDL (as of January 2003,) and for comparative purposes, it was necessary to re-calculate the number of current CDL items from the waves prior to the extension. References to CDL items in Waves prior to Wave 17 (waves 1-16) therefore denote beverage containers that are currently covered by CDL – not the items that were covered by the legislation prior to this time.
- 1.11 During the Wave 29 Monitor estimates of the volumes for each litter item category were defined. The assignments of volume estimates to each litter item category were based on actual measurements of containers/ items, the condition that these items were most commonly found (which was based on the audits of at least three Waves), and the most common or average size of the items that were found within each

category.

- 1.12 The auditors were an important part of the volume formulation process, and they were able to record the number, size and type of different items within each category over a number of waves. Volumes ascribed to each item represented the average size for that category across all site types.
- 1.13 The final volume attributed to each litter item category furthermore took into account the fact that some items were often found crushed and weathered. For example, some drink cans and cartons are often crushed and/ or weathered when they are identified by the auditors and counted. The same volume measurements have been used for all subsequent Waves.
- 1.14 Two noteworthy events that have taken place since the beginning of this longitudinal study include:
- The deposit on drink containers was increased from 5 cents to 10 cents in September 2008.
 - The ban on thin plastic shopping bags came into effect in May 2009.
- 1.15 This document reports on Wave 81 of the longitudinal study. The litter count was conducted during November 2020. Section 2 of this report outlines the litter characteristics of the 151 sites, which include 11 revised sites (replacing 11 of the original 151). Appendix 1 contains charts tracking results back across all prior Monitors, and includes weighted results to facilitate meaningful comparison of results established at the 151 original sites with results derived from the 151 revised sites.

Section 2

Wave 81

Executive Summary

The following Executive Summary covers the findings of the May 2021 KESAB Litter Monitor (Wave 81). Where possible, results have been tracked against those derived from any previous Waves which incorporated revised sites. All 151 sites were counted during the May 2021 count.

Items Counted

A total of 7,821 litter items were counted across the 151 South Australian sites during Wave 81. This figure is higher than the previous monitor in November 2020 (6,958) and the monitor conducted in May 2020 (6,212) at the same time last year, but lower than November 2019 (8,205)

Cigarette butts remained the main contributor (33%) to the litter count with 2,550 butts counted in Wave 81, up from Wave 80 (1,741) in November 2020 and from Wave 79 (1,946) in May 2020 conducted at the same time in the previous year.

The overall increase in number of items counted was most strongly demonstrated by several litter types in Wave 81, including:

- CIGARETTE BUTTS - Cigarette butts – 2,550 items, up from 1,741 items in Wave 80 (46% increase)
- PAPER/PAPERBOARD - Other paper (including tissues) – 1,632 items, up from 1,504 items in Wave 80 (9% increase)
- PAPER/PAPERBOARD – Straws – 107 items, up from nil items in Wave 80 (new litter item)
- METAL - Metal bottle tops and can pull rings – 312 items, up from 228 items in Wave 80 (37% increase)
- PLASTIC - Plastic bottle tops – 229 items, up from 171 items in Wave 80 (34% increase)
- PAPER/PAPERBOARD - Coffee cups – 130 items, up from 74 items in Wave 80 (76% increase)
- PAPER/PAPERBOARD - Cups/take away containers – 126 items, up from 96 items in Wave 80 (31% increase)
- PAPER/PAPERBOARD - Junk mail/free circulars – 35 items, up from 10 items in Wave 80 (250% increase)
- PAPER/PAPERBOARD - Newspapers & magazines – 29 items, up from 7 items in Wave 80 (314% increase)
- METAL - Foil take away – 39 items, up from 22 items in Wave 80 (77% increase)

Litter types that experienced larger decreases in the number of items in Wave 81 included:

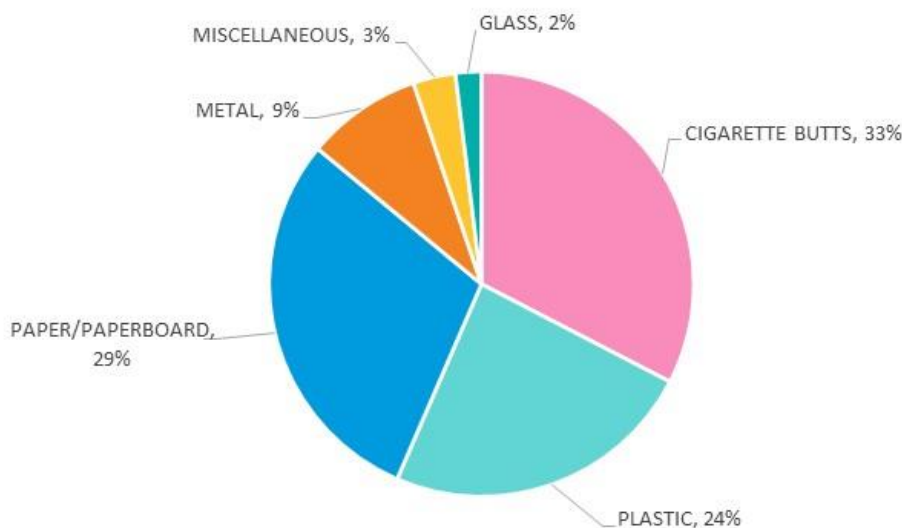
- GLASS - Other glass – 113 items, down from 245 items in Wave 80 (54% decrease)
- PLASTIC – Straws – 67 items, down from 178 items in Wave 80 (62% decrease)
- PLASTIC - Other plastic – 925 items, down from 1,003 items in Wave 80 (8% decrease)

- PAPER/PAPERBOARD - Packages & boxes – 43 items, down from 84 items in Wave 80 (49% decrease)
- MISCELLANEOUS - Other miscellaneous – 40 items, down from 71 items in Wave 80 (44% decrease)
- MISCELLANEOUS - Construction materials – 22 items, down from 48 items in Wave 80 (54% decrease)
- PLASTIC - Snack bags & confectionery wrappers – 155 items, down from 180 items in Wave 80 (14% decrease)
- PLASTIC - Packing tape & straps – 47 items, down from 71 - items in Wave 80 (34% decrease)
- PLASTIC - Spoons/cutlery – 26 items, down from 48 items in Wave 80 (46% decrease)
- MISCELLANEOUS - Clothing & materials – 96 items, down from 117 - items in Wave 80 (18% decrease)

Cigarette butts (33%, up from 25% in Wave 80) accounted for the largest proportion of litter items counted in Wave 81. Other material types represented the following proportions:

- Plastic items (24%, down from 30% in Wave 80)
- Paper/ paperboard (29%, up from 28% in Wave 80)
- Metal items (9%, up from 8% in Wave 80)
- Glass items (2%, down from 4% in Wave 80)
- Miscellaneous items (3%, down from 5% in Wave 80)

Items as Proportions of Total by Material Type



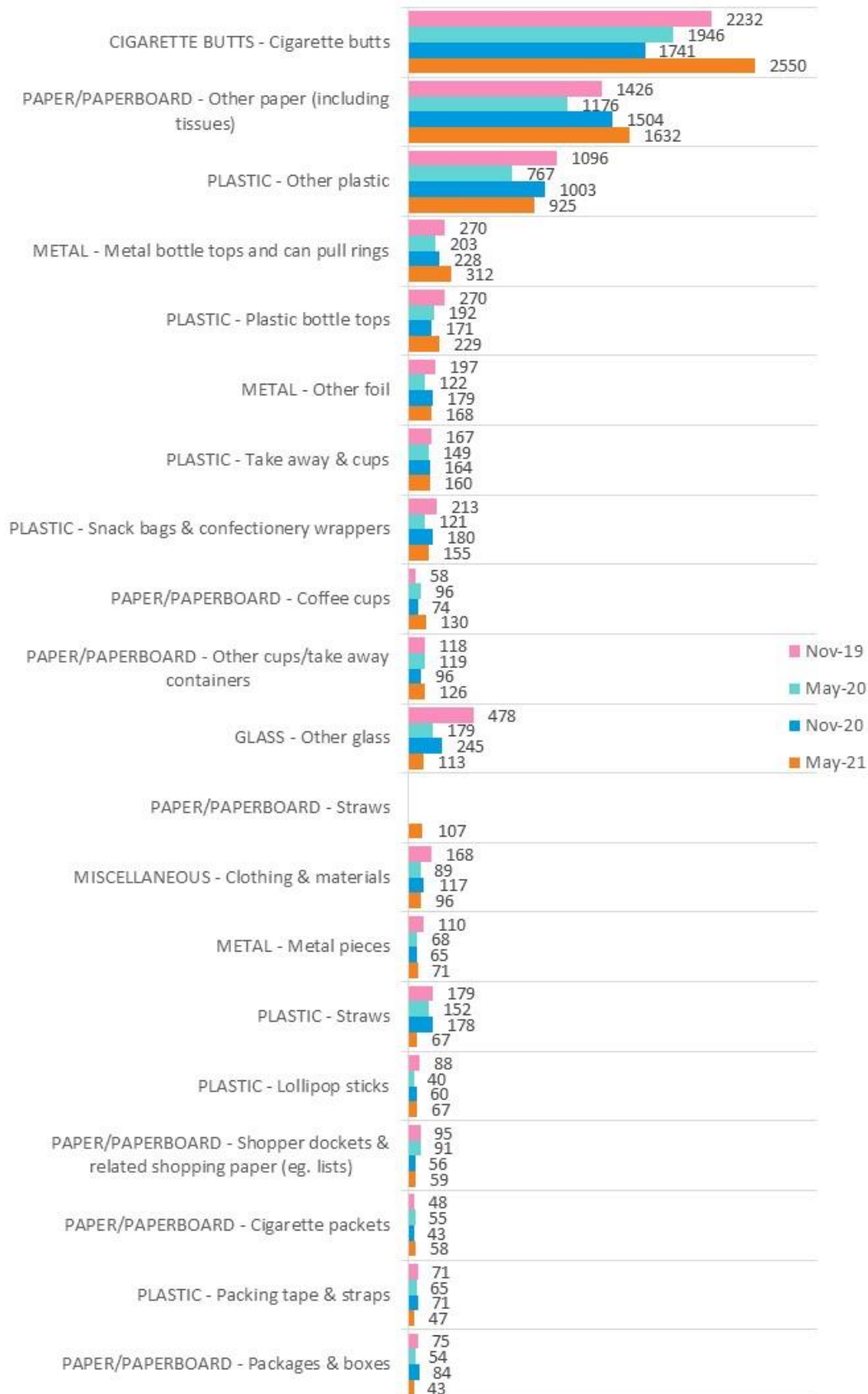
The top 20 ranking of litter type by number of items in Wave 81 was similar to the results for Wave 80, with new items entering the Top 20:

- PAPER/PAPERBOARD – Cigarette packs
- PAPER/PAPERBOARD - Packages & boxes

With new entrants, there are always those items that exit from the top 20 item list, in Wave 81 these items were:

- MISCELLANEOUS – Other miscellaneous
- PLASTIC – Spoons / Cutlery

Top 20 categories - highest counts



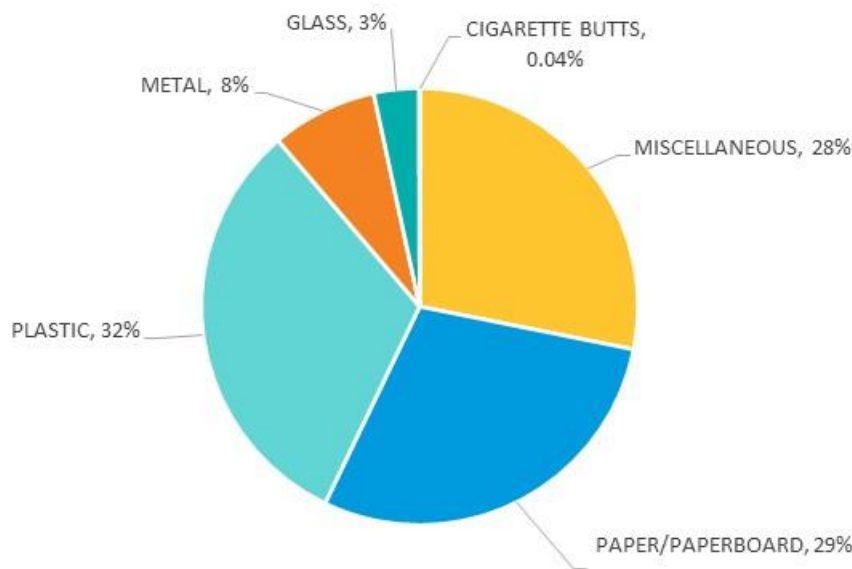
Litter Volume

The total volume of litter recorded in May 2021 amounted to 0.822 cubic metres, higher than the estimated litter volume of November 2020 (0.611m³) and May 2020 (0.637m³) conducted at the same time in the previous year.

The largest proportion of litter volume for Wave 81 was contributed by plastic items (32%, down from 34% in Wave 80). Other material types represented the following proportions of the total volume of litter items counted:

- Paper Items (29%, up from 25% in Wave 80).
- Miscellaneous items (28%, unchanged from 28% in Wave 80)
- Metal (8%, unchanged from 8% in Wave 80)
- Glass (3%, unchanged from 3% in Wave 80)
- Cigarette butts (<1%, unchanged from Wave 80)

Litter Volume as a Proportion of Total Volume



MISCELLANEOUS - Illegal dumping accounted for the highest volume of litter in Wave 81, with an estimated volume of 0.216m³ (up from 0.144m³ in Wave 80). Other items associated with large estimated litter volumes in Wave 81 included:

- PAPER/PAPERBOARD – Cups / takeaway containers – 0.092 m³ (up from 0.070m³ in Wave 80)
- PLASTIC - Containers, domestic type – 0.075 m³ (down from 0.083m³ in Wave 80)

- PLASTIC - Containers, industrial e.g. oil – 0.067m³ (up from 0.022m³ in Wave 80)
- PAPER/PAPERBOARD – Coffee cups – 0.064m³ (up from 0.036m³ in Wave 80)
- PAPER/PAPERBOARD - Newspapers & magazines – 0.034 m³ (up from 0.008m³ in Wave 80)
- PLASTIC - Take away & cups – 0.033 m³ (down from 0.034m³ in Wave 80)
- METAL - Foil take away – 0.018 m³ (up from 0.010m³ in Wave 80)
- METAL - Flavoured water/soft drink, (carbonated), all sizes – 0.017 m³ (down from 0.018m³ in Wave 80)
- PLASTIC - White milk, all sizes – 0.015 m³ (up from 0.013m³ in Wave 80)
- PLASTIC - Plain water (carbonated or non-carb), <1 litre – 0.014 m³ (unchanged from 0.014m³ in Wave 80)
- PAPER/PAPERBOARD - Cigarette packets – 0.013 m³ (up from 0.009m³ in Wave 80)

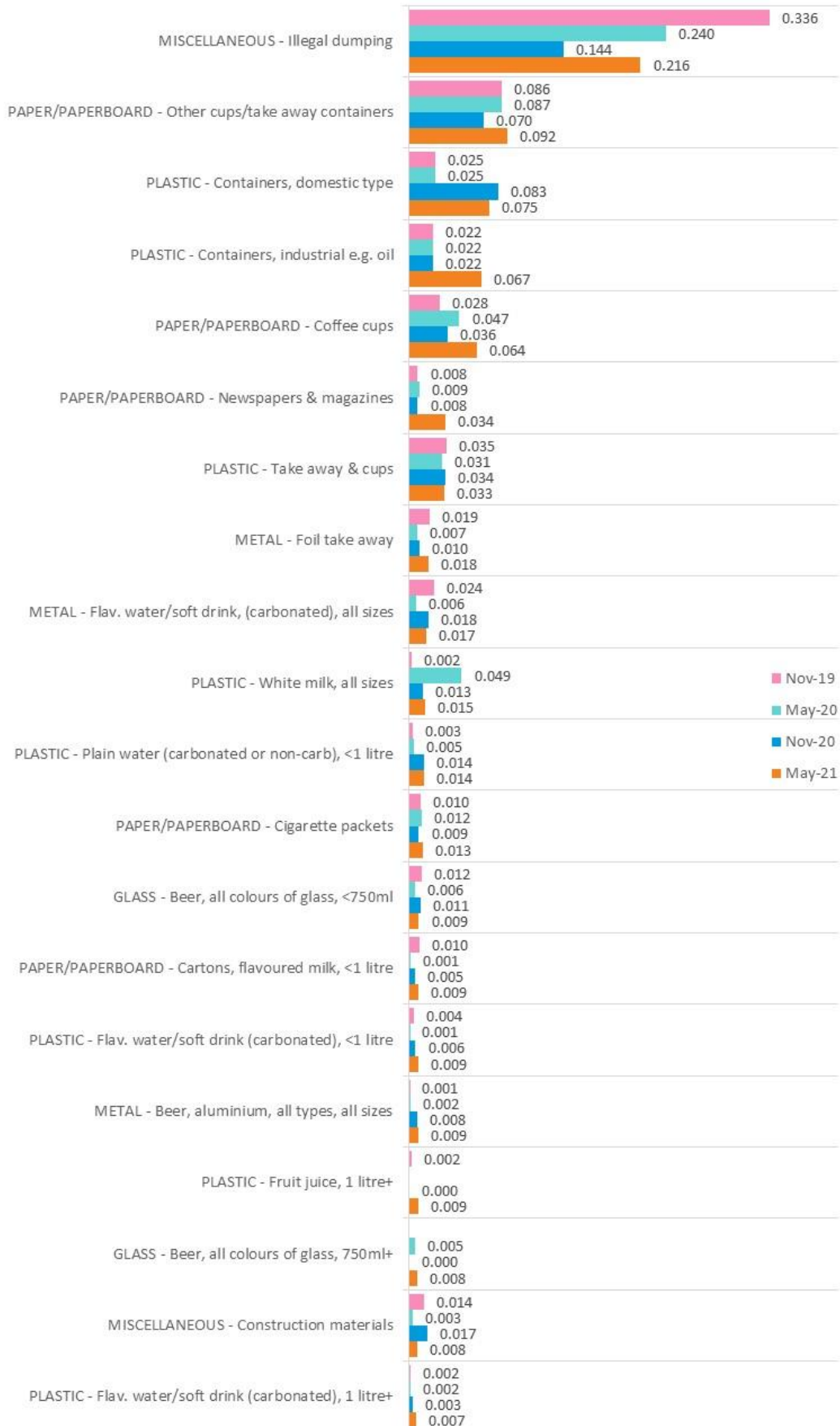
The top 20 ranking of litter items by volume in Wave 81 was similar to the results for Wave 80, with 4 new items entering the Top 20. These items were:

- PLASTIC – Flavoured water/soft drink (carbonated), <1 litre
- PLASTIC – Flavoured water/ soft drink (carbonated), 1 litre +
- PLASTIC – Fruit juice 1 litre +
- GLASS – Beer, all colours of glass, 750ml+

With new entrants, there are always those items that exit from the top 20 volume list, in Wave 81 the following items were removed:

- PAPER/PAPERBOARD - Packages & boxes
- PAPER/PAPERBOARD - Other paper (including tissues)
- Glass – Other glass
- MISCELLANEOUS - Tyres & pieces

Top 20 categories - highest counts

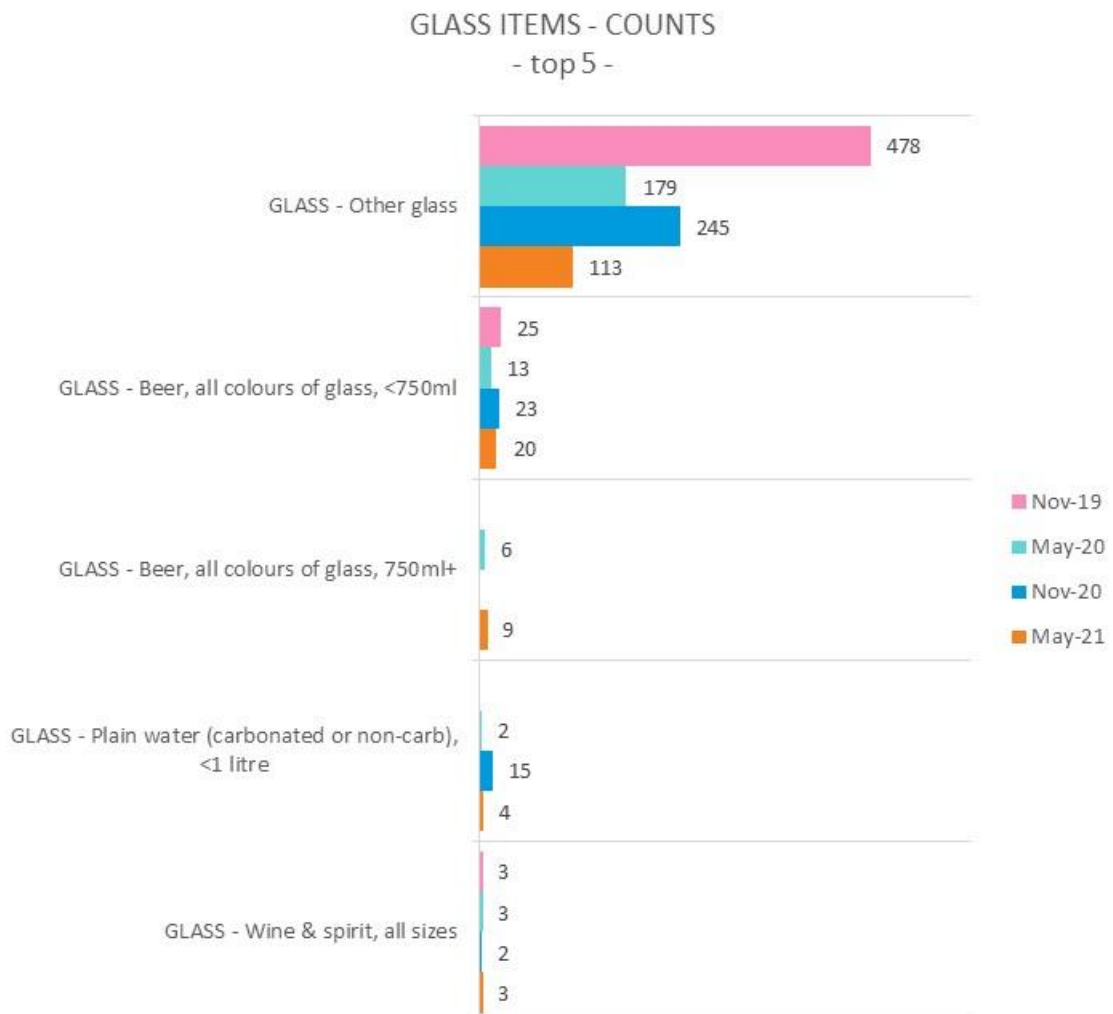


3.1 Glass

Items

A total of 154 glass litter items (down from 295 items in Wave 78) were counted during Wave 81. The most frequently recorded glass items included:

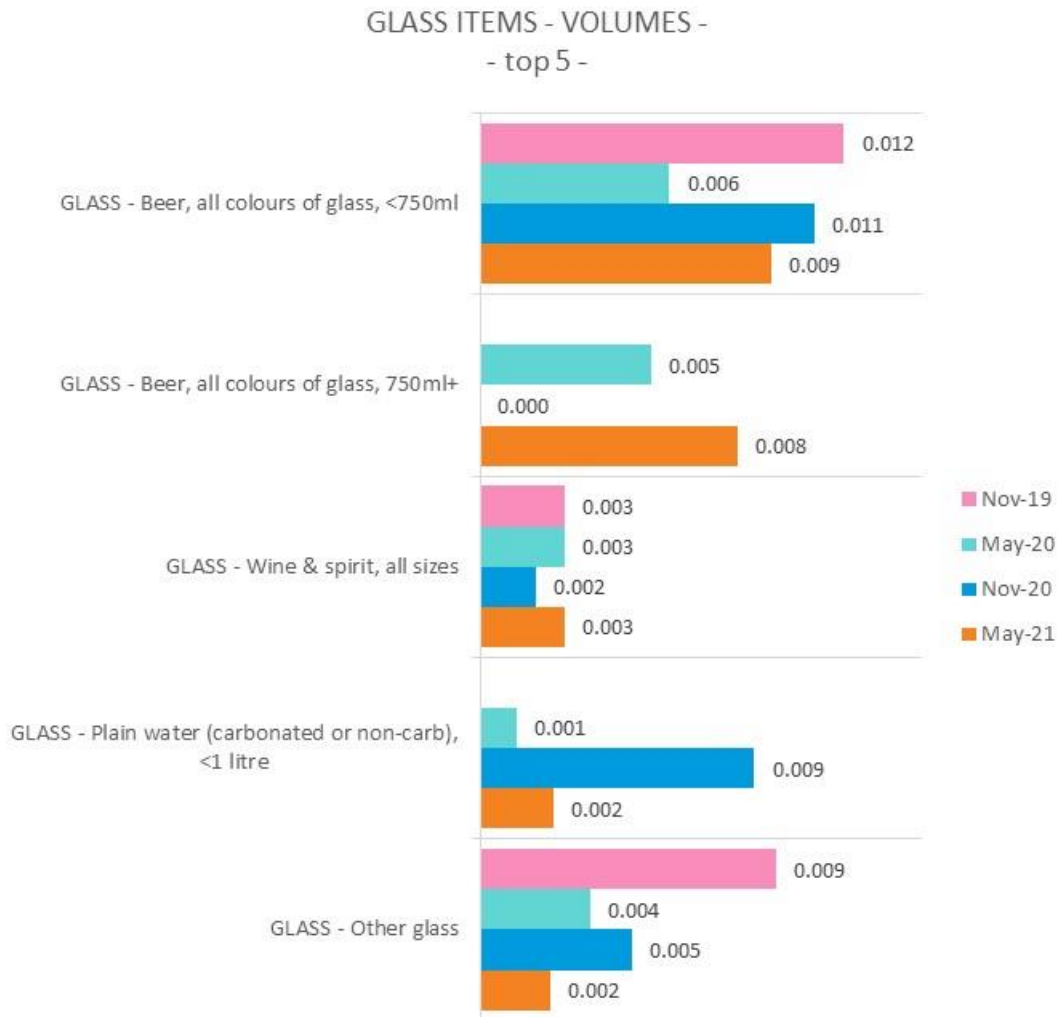
- Other glass (113 items, down from 245 items in Wave 80)
- Beer, all colours of glass <750ml (20 items, down from 23 items in Wave 80)
- Beer, all colours of glass 750ml+ (9 items, up from nil items in Wave 80)
- Plain water (carbonated or non-carbonated), < 1 litre (4 items, down from 15 items in Wave 80)
- Wine & spirits, all sizes (3 items, up from 2 items in Wave 80)



Volume

Glass litter items accounted for 0.028m³ (down from 0.030m³ in Wave 80) in estimated litter volume during Wave 81. Glass items which contributed the largest volumes to the total included:

- Beer, all colours of glass <750ml (0.009m³, down from 0.011m³ in Wave 80)
- Beer, all colours of glass 750ml+ (0.008m³, up from nil in Wave 80)
- Wine & spirits, all sizes (0.003m³, up from 0.002m³ in Wave 80)
- Plain water (carbonated or non-carbonated), < 1 litre (0.002m³, down from 0.009m³ in Wave 80)
- Other glass (0.002m³, down from 0.005m³ in Wave 80)

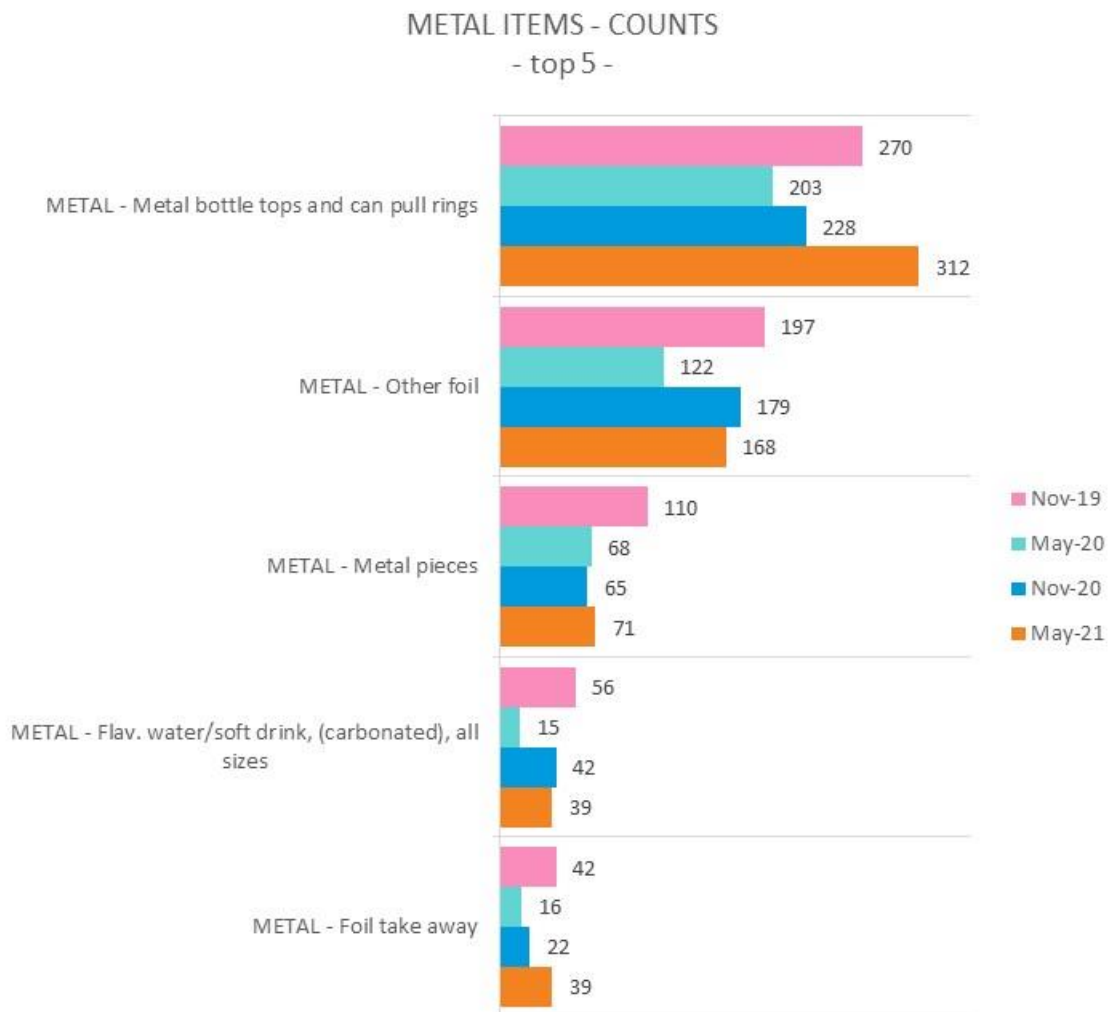


3.2 Metal

Items

A total of 689 metal litter items (up from 577 items in Wave 80) were counted during Wave 81. The most frequently counted metal litter items included:

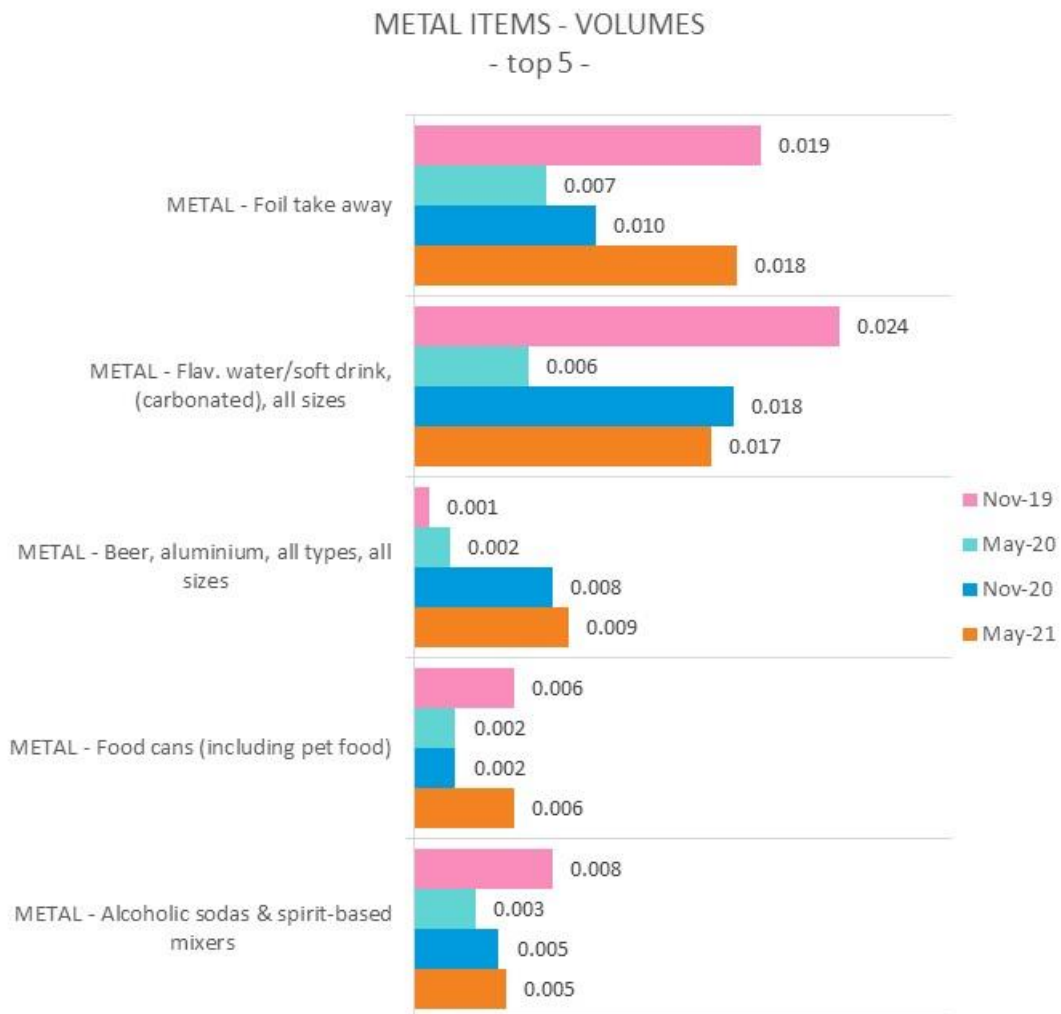
- Metal bottle tops and can pull rings (312 items, up from 228 items in Wave 80)
- Other foil (168 items, down from 179 items in Wave 80)
- Metal pieces (71 items, down from 65 items in Wave 80)
- Flavoured water/soft drink (carbonated), all sizes (39 items, down from 42 items in Wave 80)
- Foil takeaway (39 items, up from 22 items in Wave 80)



Volume

Metal litter items accounted for a total estimated litter volume of 0.065m³ (up from 0.050m³ in Wave 80). The metal items associated with the largest estimated volumes of litter during Wave 81 included:

- Foil takeaway (0.018m³, up from 0.010m³ in Wave 80)
- Flavoured water/soft drink (carbonated), all sizes (0.017m³, down from 0.018m³ in Wave 80)
- Beer, aluminium cans, all types, all sizes (0.009m³, up from 0.008m³ in Wave 80)
- Food cans (including pet food) (0.006m³, up from 0.002m³ in Wave 80)
- Alcoholic sodas & spirit-based mixers (0.005m³, unchanged from 0.005m³ in Wave 80)

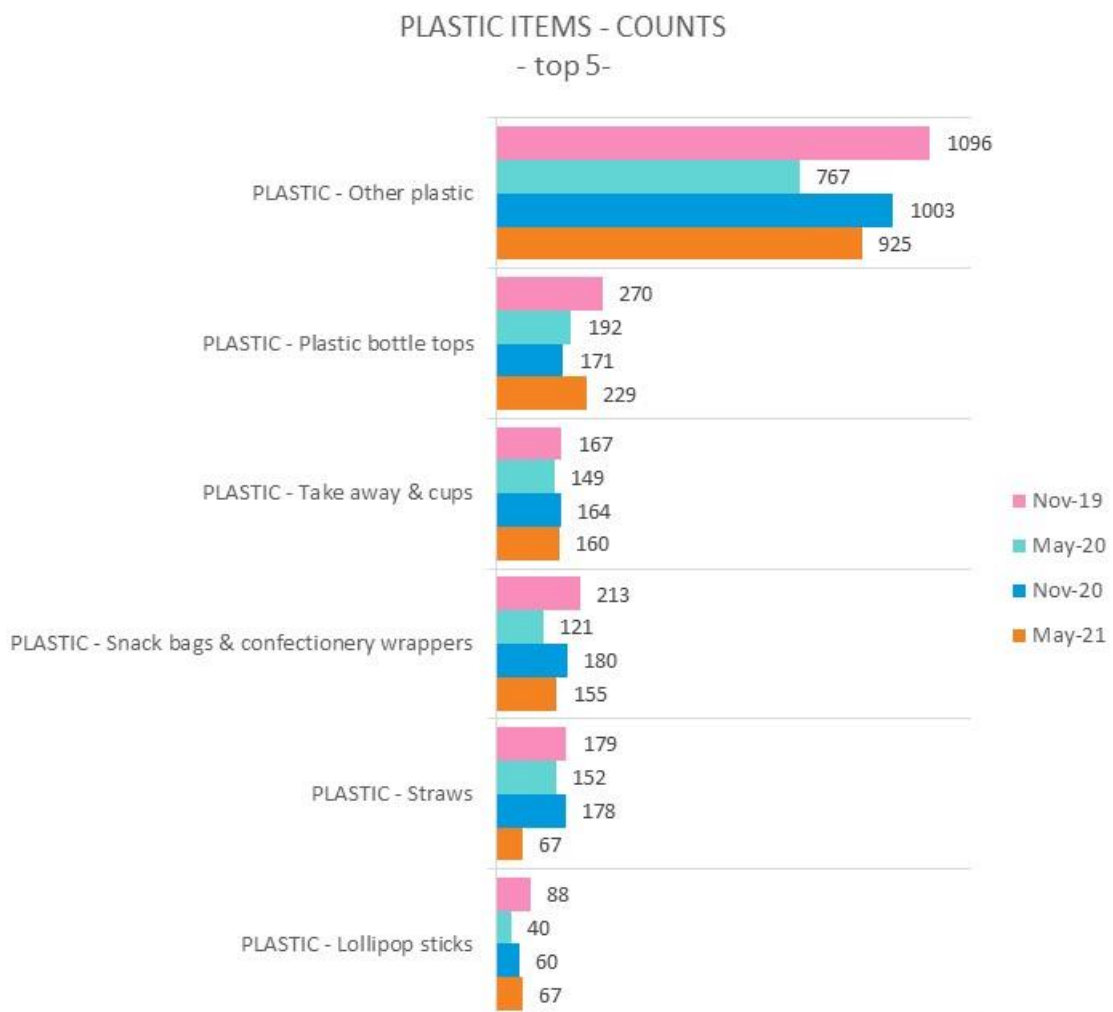


3.3 Plastic

Items

A total of 1,870 plastic litter items (down from 2,066 items in Wave 80) were counted during Wave 81. The most frequently counted plastic litter items included:

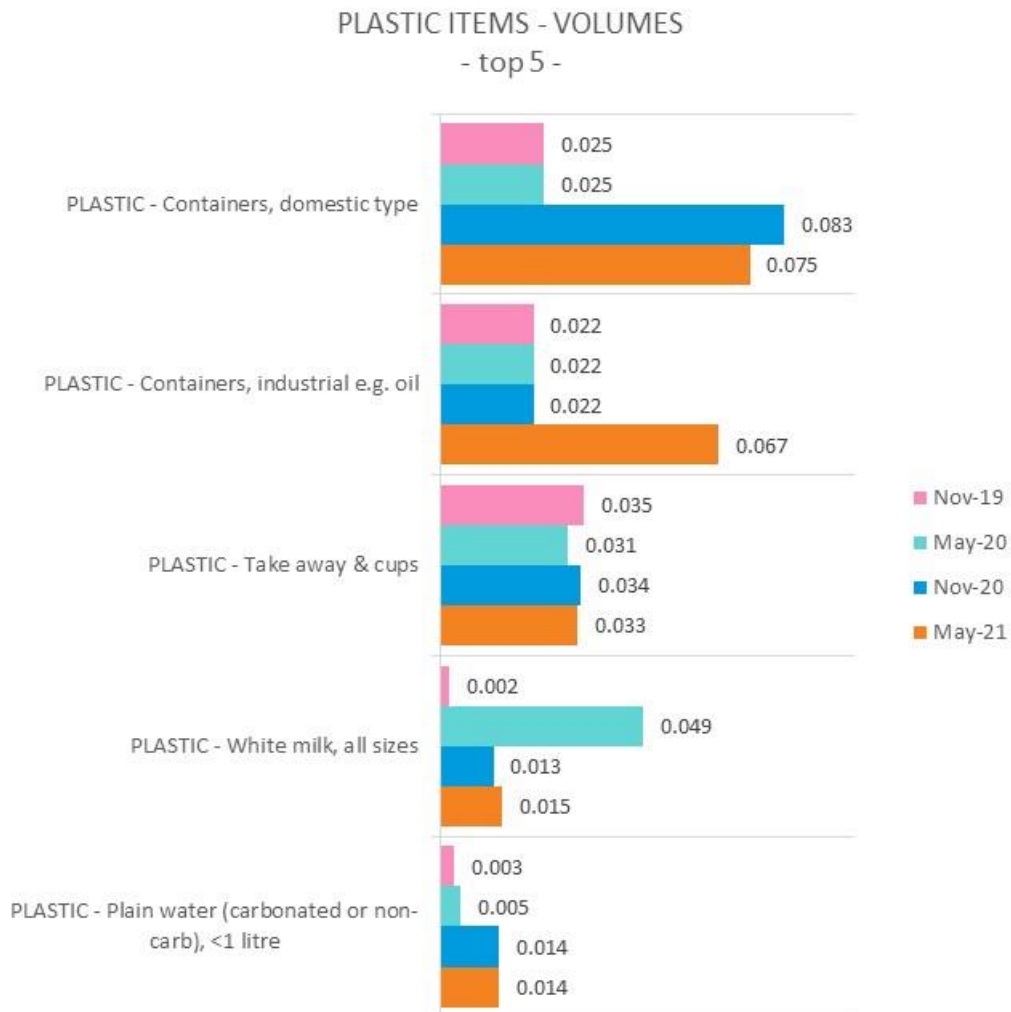
- Other plastic (925 items, down from 1,003 items in Wave 80)
- Plastic bottle tops (229 items, up from 171 items in Wave 80)
- Take away & cups (160 items, down from 164 items in Wave 80)
- Snack bags & confectionery wrappers (155 items, down from 180 items in Wave 80)
- Straws (67 items, down from 178 items in Wave 80)
- Lollipop sticks (67 items, up from 60 items in Wave 80)



Volume

Plastic items were associated with an estimated litter volume of 0.260m³ (up from 0.211m³ in Wave 80). Items which represented the largest volumes within the Wave 81 litter count included:

- Containers, domestic type (0.075m³, down from 0.083m³ in Wave 80)
- Containers, industrial type (0.067m³, up from 0.022 m³ in Wave 80)
- Take away & cups (0.033m³, down from 0.034m³ in Wave 80)
- Plain milk, all sizes (0.015m³, up from 0.013m³ in Wave 80)
- Plain water (carbonated or non-carbonated), < 1 litre (0.014m³, unchanged from 0.014 m³ in Wave 80)



3.4 Paper/ Paperboard

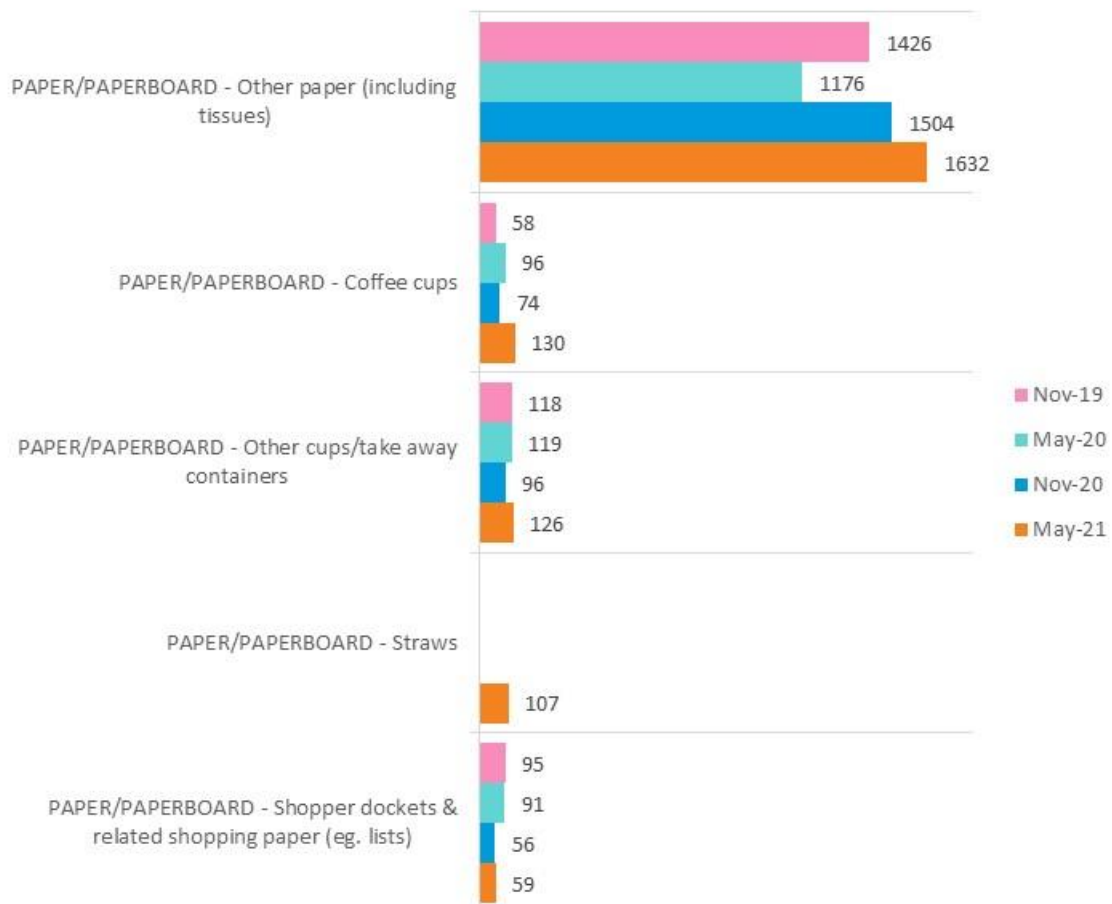
Items

A total of 2,305 paper/paperboard litter items (up from 1,937 items in Wave 80) were recorded during Wave 81.

The most frequently identified items within this material type were:

- Other paper – including tissues (1,632 items, up from 1,504 items in Wave 80)
- Coffee cups (130 items, up from 74 items in Wave 80)
- Other cups/ take away containers (126 items, up from 96 items in Wave 80)
- Straws (new category) (107 items, up from nil items in Wave 80)
- Shopper docket & related shopping paper (e.g. lists) (59 items, up from 56 items in Wave 80)

PAPER/ PAPERBOARD ITEMS - COUNTS
- top 5 -

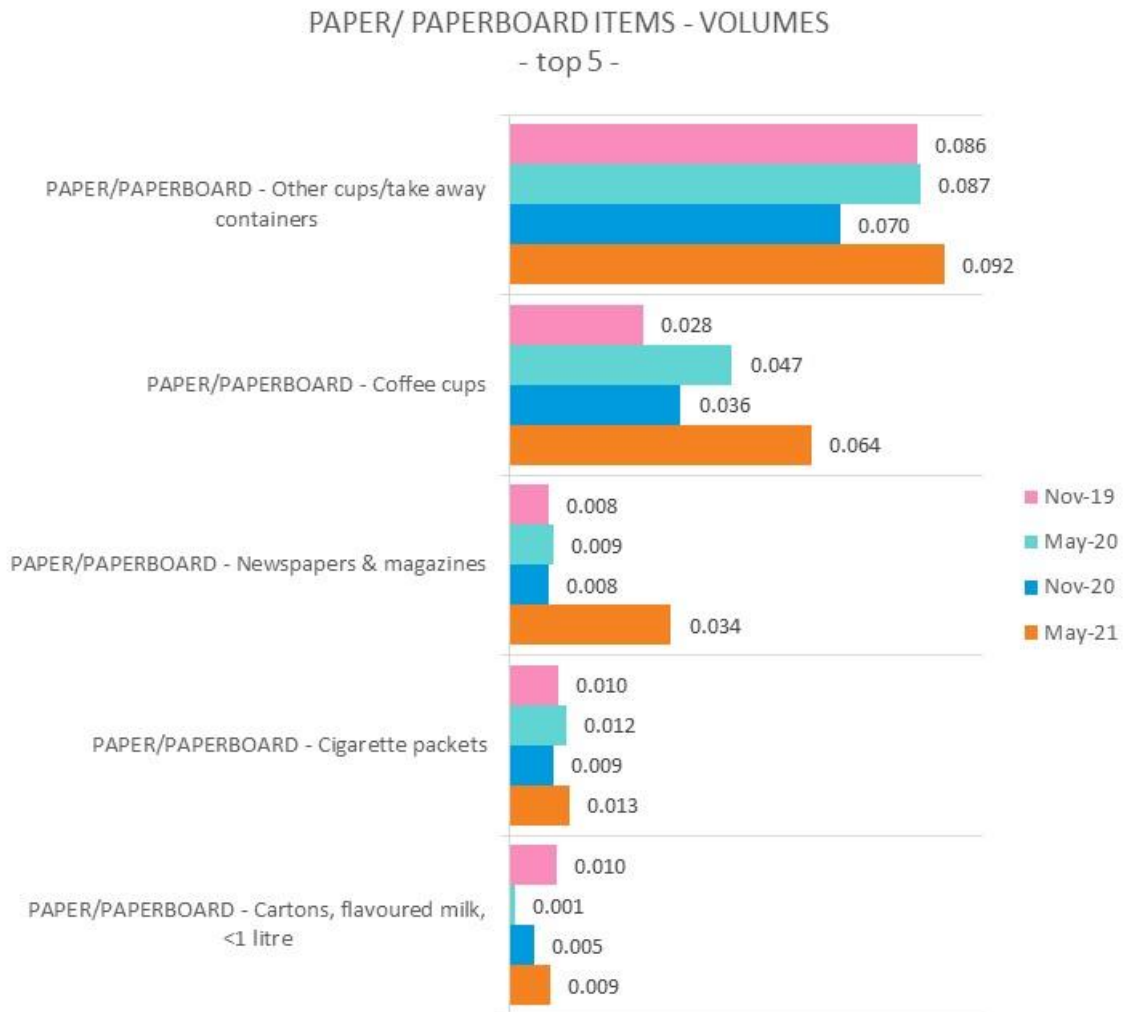


Volume

Paper/ Paperboard items accounted for 0.238m³ in estimated litter volume (up from 0.151m³ in Wave 80) in May 2021.

Paper/ paperboard items which contributed the largest volumes to the total included:

- Other cups/take away containers (0.092m³, up from 0.070m³ in Wave 80)
- Coffee cups (0.064m³, up from 0.036m³ in Wave 80)
- Newspapers & magazines (0.034m³, up from 0.008m³ in Wave 80)
- Cigarette packets (0.013m³, up from 0.009m³ in Wave 80)
- Cartons, flavoured milk, < 1litre (0.009m³, up from 0.005m³ in Wave 80)



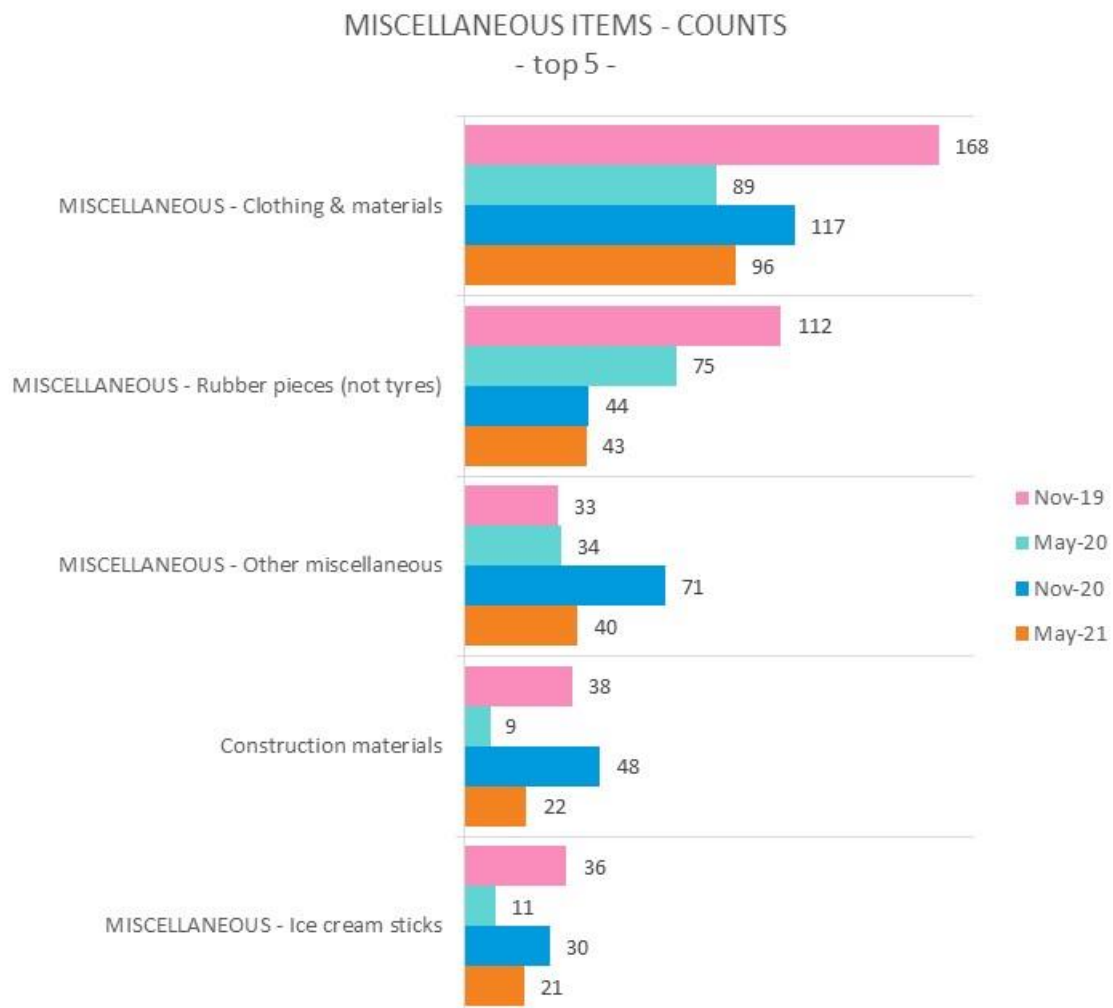
3.5 Miscellaneous

Items

A total of 253 miscellaneous items (down from 342 items in Wave 80) were counted during Wave 81.

The most frequently recorded items included:

- Clothing & materials (96 items, down from 117 items in Wave 80)
- Rubber pieces – not tyres (43 items, down from 44 items in Wave 80)
Rubber pieces in this category include vehicle rubber mouldings, hose pipes and tubing, bicycle handlebar grips and casings, pram mouldings and strips.
- Other miscellaneous (40 items, down from 71 items in Wave 80)
- Construction materials (22 items, down from 48 items in Wave 80)
- Ice cream sticks (21 items, down from 30 items in Wave 80)



Volume

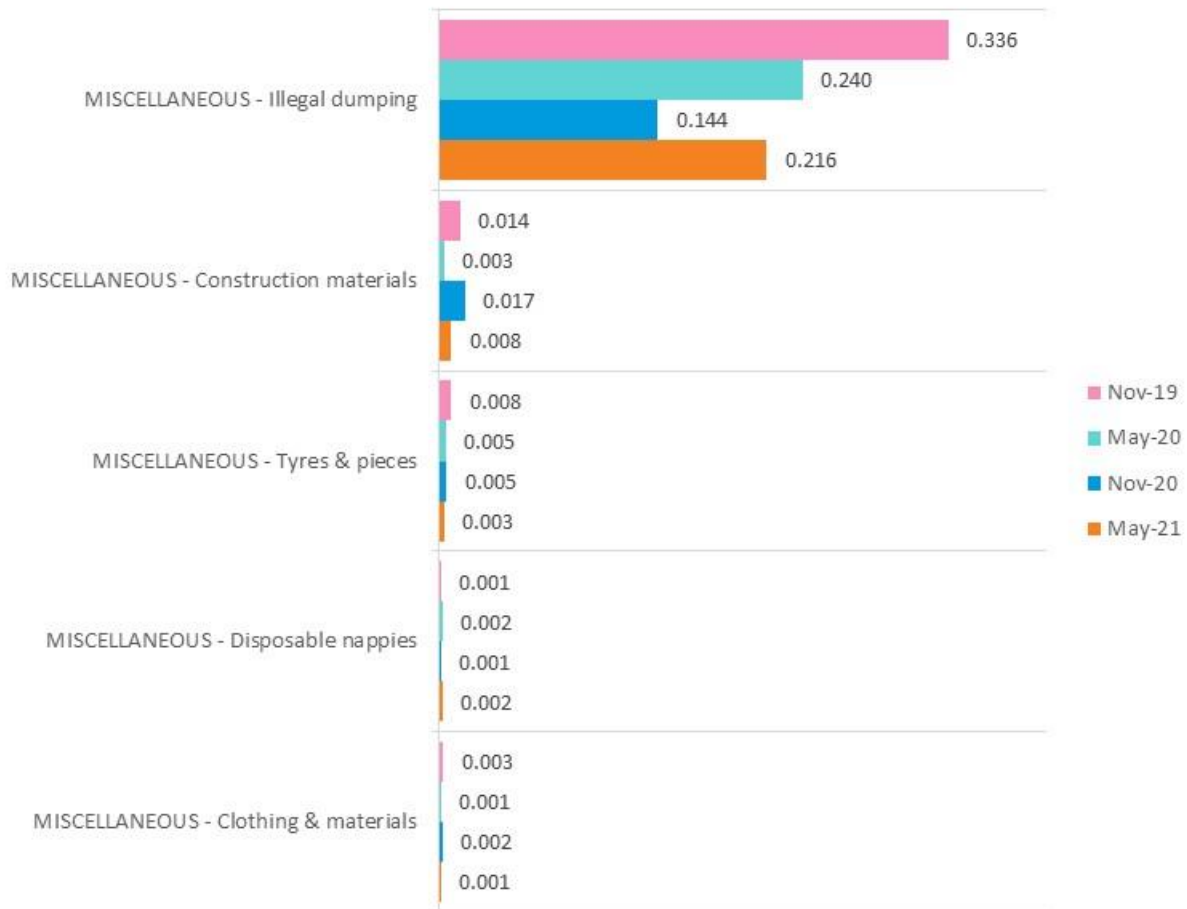
Miscellaneous litter was associated with an estimated litter volume of 0.231m³ up from 0.170m³ in Wave 80) during Wave 81.

Illegal dumping remained the major contributor to the total volume of miscellaneous items, with an estimated total volume of 0.216m³ (up from 0.144m³ in Wave 80).

Other miscellaneous items which contributed to the litter stream volume included:

- Construction materials (0.008m³, down from 0.0173m³ in Wave 80)
- Tyres & pieces (0.003m³, down from 0.005m³ in Wave 80)
- Disposable nappies (0.002m³, up from 0.001m³ in Wave 80)
- Clothing and materials (0.001m³, down from 0.002m³ in Wave 80)

MISCELLANEOUS ITEMS - VOLUMES
- top 5 -



3.6 Cigarette Butts

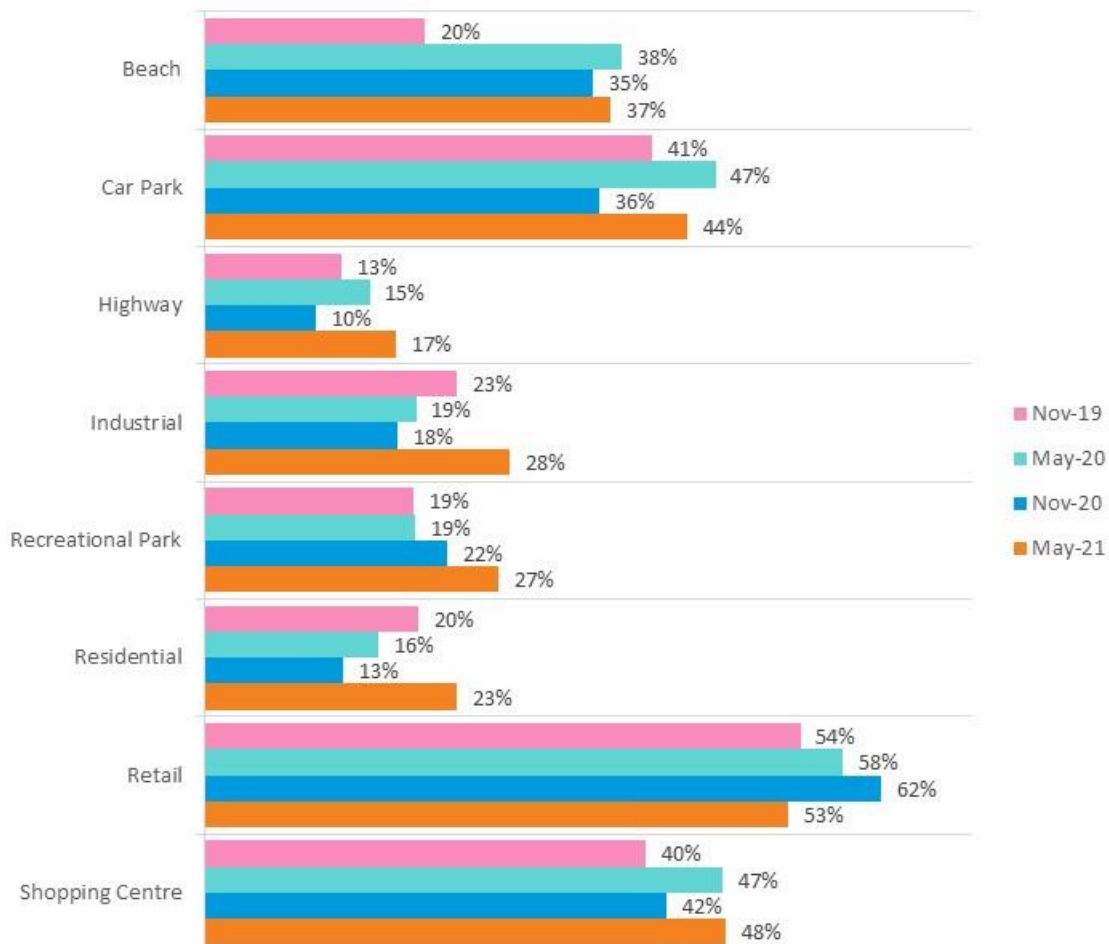
Items

The total number of cigarette butts recorded during Wave 81 was 2,550, up from 1,741 in Wave 80 and 1,946 in Wave 79 at the same time the previous year.

The proportion of cigarette butts against the total number of litter items was highest at retail sites (53%, down from 62% in Wave 80). Cigarette butts also contributed the following proportions of total litter at the following site types:

- Shopping centres (48%, up from 42% in Wave 80)
- Car parks (44%, up from 36% in Wave 80)
- Beaches (37%, up from 35% in Wave 80)
- Industrial sites (28%, up from 18% in Wave 80)
- Recreational parks (27%, up from 22% in Wave 80)
- Residential sites (23%, up from 13% in Wave 80)
- Highway sites (17%, up from 10% in Wave 80)

Cigarette butts as a proportion of total litter at each site type



Volume

Despite cigarette butts being the most numerous type of litter item, they accounted for less than 1% of the total volume of litter recorded during the current Wave.

3.7 Dispersion of Litter by Site Type

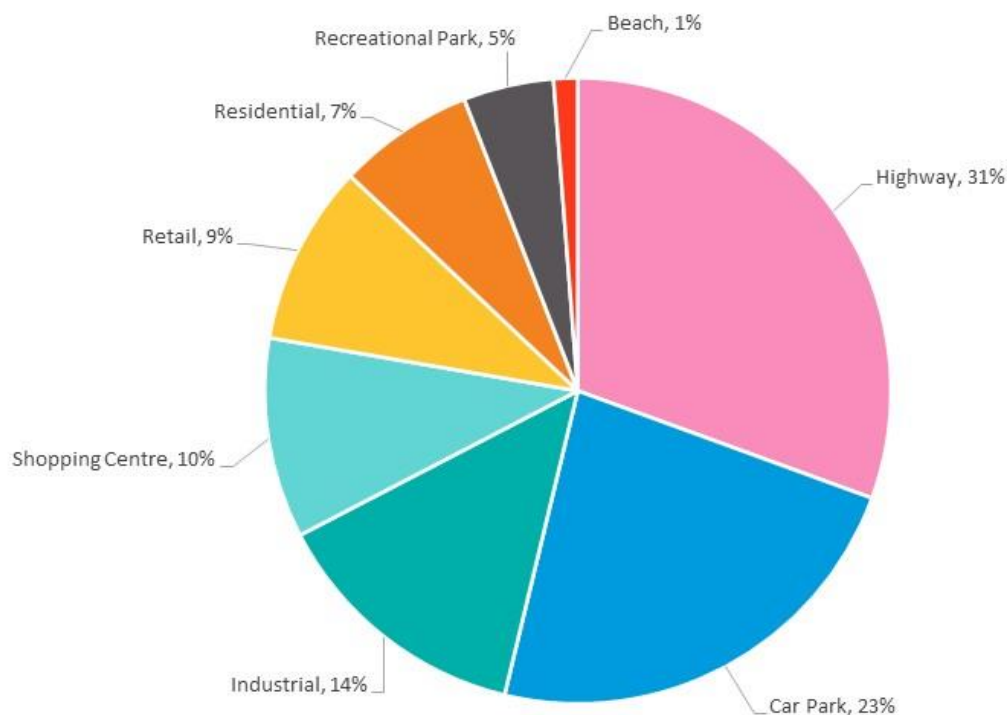
Items

Highways remained the most significant contributor to the total number of litter items counted in May 2021 with 31% (up from 35% in Wave 80) of the total litter items counted at highway locations.

Other sites contributed the following proportions of the total number of litter items counted during Wave 81:

- Car Park (23%, up from 19% in Wave 80)
- Industrial (14%, unchanged from 14% in Wave 80)
- Shopping Centre (10%, unchanged from 10% in Wave 80)
- Retail (9%, unchanged from 9% in from Wave 80)
- Residential (7%, unchanged from 7% in Wave 80)
- Recreational Park (5%, up from 4% in Wave 80)
- Beach (1%, down from 2% from Wave 80)

Proportion of total litter items counted within site type



A comparison of the proportions of litter items found at each site type revealed that highway and car park locations contributed large amounts to the total number of litter items in the November Monitor, based on the proportion of the number of these sites as outlined below:

- Highway sites represented only 18% of the total number of sites surveyed and contributed 31% (down from 35% in Wave 80) of the total litter items counted in Wave 81.
- Car parks incorporated 15% of the sites surveyed and contributed 23% (up from 19% in Wave 80) of the litter items counted in Wave 81.

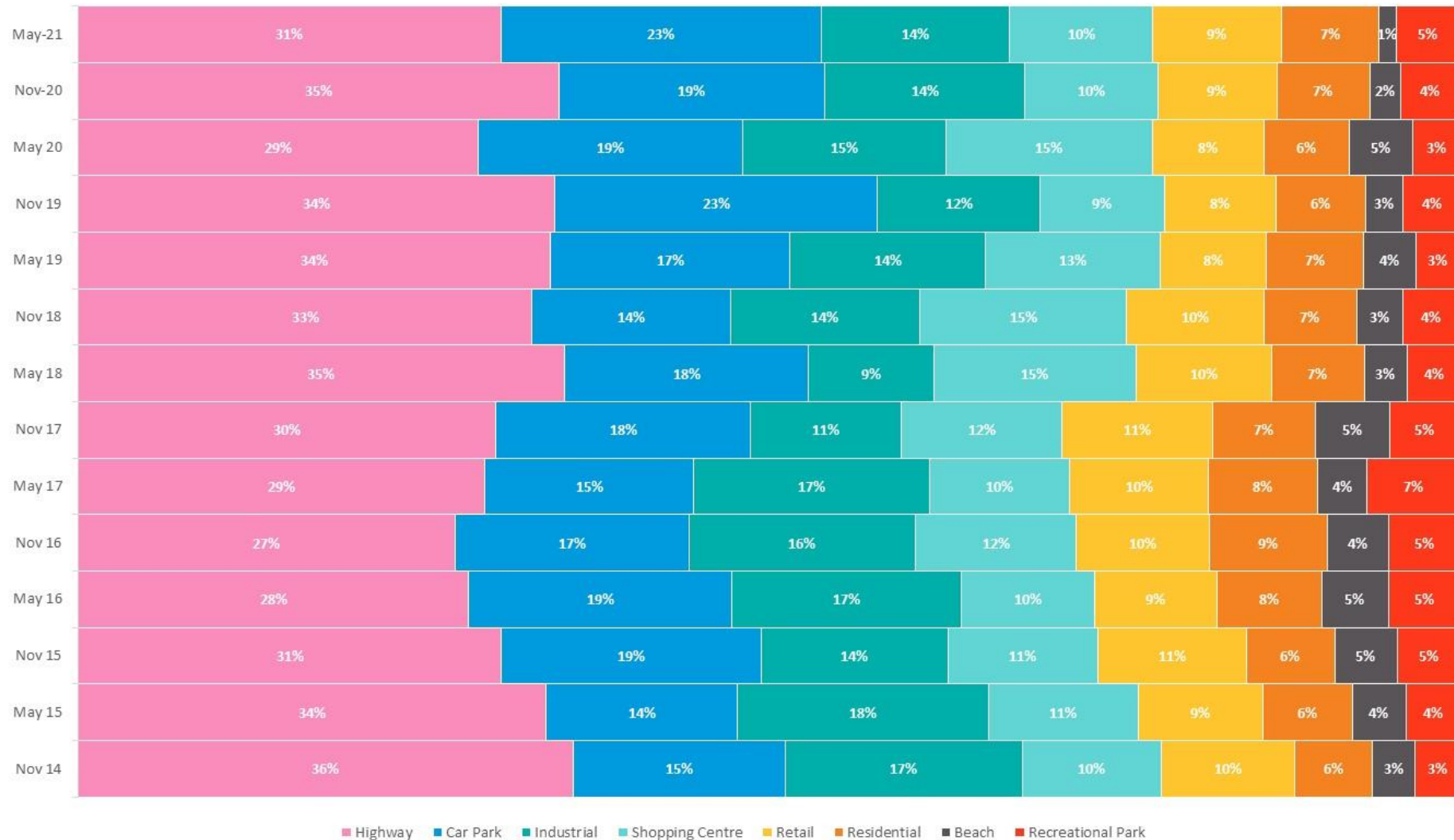
Conversely, residential locations, beaches and recreational parks contributed smaller proportions of litter items to the total litter count than anticipated based upon the proportion of these sites within the overall sample of locations as detailed below:

- Residential areas incorporated 17% of the sites surveyed but contributed only 7% (unchanged from 7% in Wave 80) of the litter items counted in Wave 81.
- Beaches represented 11% of the sites surveyed but contributed only 1% (down from 2% in Wave 80) of the litter counted in Wave 81.
- Recreational Parks represented 9% of sites surveyed and contributed 5% (up from 4% in Wave 80) of the litter counted in Wave 81.

The remaining sites contributed around the expected proportions of litter based on the proportion of these sites among the overall number of sites counted during November 2020, the proportions were:

- Industrial sites incorporated 11% of the sites surveyed and contributed 14% (unchanged from 14% in Wave 80) of the total litter items counted in Wave 81.
- Shopping centres - incorporated 9% of the sites surveyed and contributed 10% (unchanged from 10% in Wave 80) of the litter items counted in Wave 81.
- Retail areas - incorporated 10% of the sites surveyed and contributed 9% (unchanged from 9% in Wave 80) of the litter items counted in Wave 81.

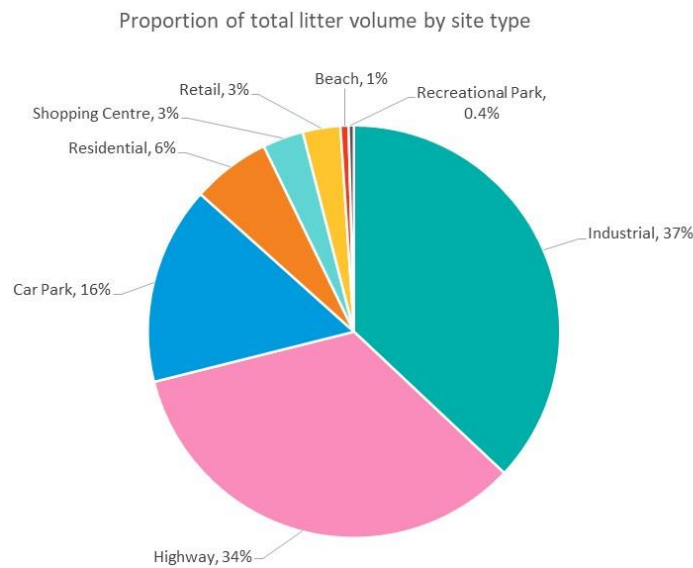
PROPORTION OF TOTAL LITTER ITEMS COUNTED WITHIN SITE TYPE
- tracking -



Volume

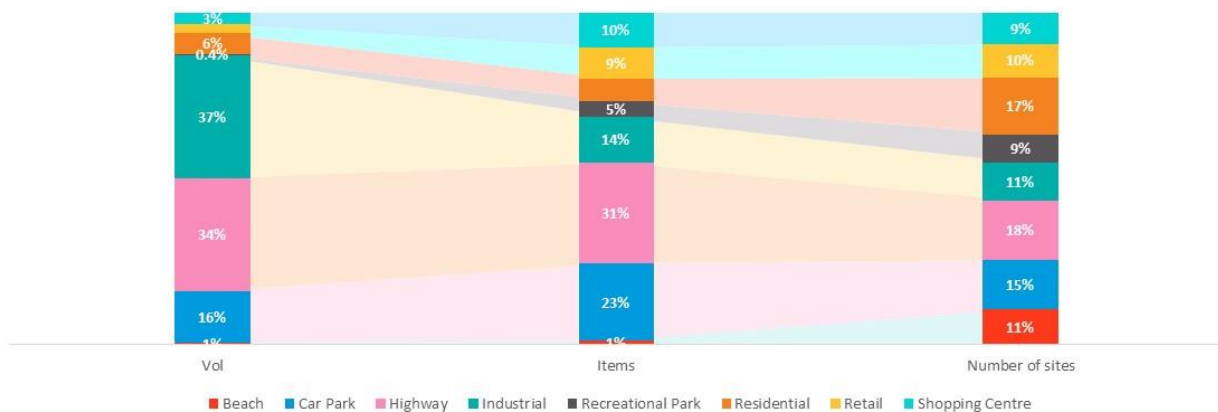
More than one third (37%, up from 28% in Wave 80) of the total volume of litter estimated during Wave 81 was associated with litter items at industrial sites, and one third (34%, down from 43% in Wave 80) was associated with litter items at highway sites.

Lower volumes of litter were contributed by car park sites (16%, up from 9% in Wave 80), residential sites (6%, down from 12% in Wave 80), retail sites (3%, up from 1% in Wave 80), shopping centres (3%, down from 4% in Wave 80), beaches (1%, unchanged from 1% in Wave 80) and recreational parks (0.4%, down from 1% in Wave 80) during Wave 81.



A comparison of the litter volume, number of litter items and proportion of sites represented within location types shows that highway locations and industrial sites contributed a larger number and volume of litter items than would be expected given their representations within the sample.

NUMBER AND VOLUME OF LITTER BY SITE TYPE AS PROPORTIONS OF TOTALS



3.8 CDL Beverage Containers

The majority (97%, unchanged from 97% in Wave 80) of litter items counted in May 2021 were non-beverage items.

The total number of CDL beverage containers counted was 195 items, up from 190 items in Wave 80 and 79 items in Wave 79.

CDL beverage containers accounted for 87% (down from 93% in Wave 80) of all beverage containers counted during Wave 81.

Data Summary - Items

KESAB - Litter Strategy Monitoring Wave 81 - May 2021			Items										
			BEACH	CAR PARK	HIGHWAY	INDUSTRIAL	RECREATIONAL PARK	RESIDENTIAL	RETAIL	SHOPPING CENTRE	METROPOLITAN	REGIONAL	TOTAL ITEMS
CIGARETTE BUTTS		NBEV	36	800	418	297	98	127	389	385	2019	531	2550
GLASS	Alcoholic sodas/spirit-based mixers, all sizes	CDL	0	0	2	0	0	0	0	0	0	2	2
	Beer, all colours of glass, <750ml	CDL	0	2	3	8	1	1	5	0	8	12	20
	Beer, all colours of glass, 750ml+	CDL	0	0	8	0	0	0	1	0	2	7	9
	Cider/fruit based etc.	CDL	0	0	1	1	0	0	0	0	1	1	2
	Flav. water/fruit j. drink/sports drink (non-carb), <1 litre	CDL	0	0	0	0	0	0	0	0	0	0	0
	Flav. water/fruit j. drink/sports drink (non-carb), 1 litre+	CDL	0	0	0	0	0	0	0	0	0	0	0
	Flav. water/soft drink (carbonated), <1 litre	CDL	0	0	0	0	0	0	0	0	0	0	0
	Flav. water/soft drink (carbonated), 1 litre+	CDL	1	0	0	0	0	0	0	0	0	1	1
	Fruit juice, <1 litre	CDL	0	0	0	0	0	0	0	0	0	0	0
	Fruit juice, 1 litre+	BEV	0	0	0	0	0	0	0	0	0	0	0
	Other glass	NBEV	0	17	56	22	2	5	4	7	90	23	113
	Plain water (carbonated or non-carb), <1 litre	CDL	0	0	4	0	0	0	0	0	0	4	4
	Plain water (carbonated or non-carb), 1 litre+	CDL	0	0	0	0	0	0	0	0	0	0	0
	Wine & spirit, all sizes	BEV	0	0	1	0	0	1	0	1	3	0	3
Wine cooler, all sizes	CDL	0	0	0	0	0	0	0	0	0	0	0	
TOTAL			1	19	75	31	3	7	10	8	104	50	154
METAL	Aerosols - pressure packs	NBEV	0	2	3	2	0	0	0	0	7	0	7
	Alcoholic sodas & spirit-based mixers	CDL	2	0	8	2	0	0	0	0	9	3	12
	Beer, aluminium, all types, all sizes	CDL	0	3	12	4	0	0	1	0	8	12	20
	Cider/fruit based etc.	CDL	0	1	1	0	0	0	0	0	2	0	2
	Flav. water/soft drink, (carbonated), all sizes	CDL	3	6	19	8	1	1	0	1	30	9	39
	Flav. water/soft drink, (non-carb), all sizes	CDL	0	0	0	7	0	0	0	0	0	7	7
	Foil take away	NBEV	3	2	25	7	0	1	1	0	8	31	39
	Food cans (including pet food)	NBEV	0	4	3	4	0	1	0	0	11	1	12
	Industrial cans - all types	NBEV	0	0	0	0	0	0	0	0	0	0	0
	Metal bottle tops and can pull rings	NBEV	1	61	143	35	28	13	13	18	254	58	312
	Metal pieces	NBEV	5	8	34	17	0	4	3	0	66	5	71
	Other foil	NBEV	1	33	51	16	27	19	20	1	152	16	168
	TOTAL			15	120	299	102	56	39	38	20	547	142

KESAB - Litter Strategy Monitoring Wave 81 - May 2021			Items										
			BEACH	CAR PARK	HIGHWAY	INDUSTRIAL	RECREATIONAL PARK	RESIDENTIAL	RETAIL	SHOPPING CENTRE	METROPOLITAN	REGIONAL	TOTAL ITEMS
MISCELLANEOUS	Clothing & materials	NBEV	0	9	52	15	5	11	2	2	67	29	96
	Condoms	NBEV	0	0	1	3	0	0	0	0	4	0	4
	Construction materials	NBEV	0	2	4	10	0	6	0	0	18	4	22
	Disposable nappies	NBEV	0	1	1	0	0	0	0	0	2	0	2
	Ice cream sticks	NBEV	0	11	3	2	4	0	1	0	11	10	21
	Illegal dumping	NBEV	0	1	1	6	0	1	0	0	6	3	9
	Other miscellaneous	NBEV	0	15	3	2	0	6	0	14	32	8	40
	Rubber pieces (not tyres)	NBEV	5	2	20	5	7	2	2	0	40	3	43
	Syringes	NBEV	0	0	0	2	0	0	0	0	2	0	2
	Tyres & pieces	NBEV	0	0	12	0	0	2	0	0	8	6	14
TOTAL			5	41	97	45	16	28	5	16	190	63	253
PAPER/PAPERBOARD	Cartons, flavoured milk, <1 litre	CDL	0	4	5	0	0	2	2	0	7	6	13
	Cartons, flavoured milk, 1 litre+	BEV	0	0	0	0	0	0	0	0	0	0	0
	Cartons, fruit juice, <1 litre	CDL	0	0	2	0	1	0	0	0	2	1	3
	Cartons, fruit juice, 1 litre+	BEV	0	0	0	0	0	0	0	0	0	0	0
	Cartons, milk, plain (white), all sizes	BEV	0	0	0	5	0	0	0	0	0	5	5
	Cigarette packets	NBEV	0	14	17	18	0	2	4	3	42	16	58
	Cups/take away containers	NBEV	0	54	49	14	1	2	1	5	102	24	126
	Coffee cups	NBEV	0	19	51	30	0	8	6	16	97	33	130
	Flav. water/fruit j. drink/sports drink (non-carb), <1 litre	CDL	0	0	0	0	0	0	0	0	0	0	0
	Flav. water/fruit j. drink/sports drink (non-carb), 1 litre+	CDL	0	0	2	0	0	0	0	0	0	2	2
	Ice cream wrappers	NBEV	0	2	0	0	0	0	0	5	7	0	7
	Junk mail/free circulars	NBEV	0	7	15	5	0	2	3	3	11	24	35
	Newspapers & magazines	NBEV	0	2	3	15	0	7	2	0	7	22	29
	Other paper (including tissues)	NBEV	23	318	541	183	100	153	142	172	1376	256	1632
	Straws	NBEV	2	37	23	4	6	9	8	18	105	2	107
	Packages & boxes	NBEV	0	5	22	15	0	0	0	1	15	28	43
	Paper bags	NBEV	0	3	24	6	0	2	2	6	26	17	43
	Shopper docketts & related shopping paper (eg. lists)	NBEV	0	28	2	4	3	0	5	17	48	11	59
Tickets, e.g. bus, ATM, vending machine etc.	NBEV	0	3	3	3	0	0	0	4	11	2	13	
TOTAL			25	496	759	302	111	187	175	250	1856	449	2305

KESAB - Litter Strategy Monitoring Wave 81 - May 2021			Items										
			BEACH	CAR PARK	HIGHWAY	INDUSTRIAL	RECREATIONAL PARK	RESIDENTIAL	RETAIL	SHOPPING CENTRE	METROPOLITAN	REGIONAL	TOTAL ITEMS
PLASTIC	6 ring can holders	NBEV	0	0	0	1	0	0	0	0	1	0	1
	Bags - heavier glossy typically branded carry bags	NBEV	0	0	2	1	0	0	2	0	2	3	5
	Bags - supermarket type light weight carry bags	NBEV	0	6	8	5	0	1	2	0	12	10	22
	Bread bag tags	NBEV	0	6	2	0	5	3	0	1	9	8	17
	Containers, domestic type	NBEV	0	2	2	3	0	0	1	1	6	3	9
	Containers, industrial e.g. oil	NBEV	0	0	1	2	0	0	0	0	2	1	3
	Drink pouches	CDL	0	1	1	0	0	0	0	0	2	0	2
	Flav. water/fruit j. drink/sports drink (non-carb), <1 litre	CDL	0	2	0	0	0	0	0	0	2	0	2
	Flav. water/fruit j. drink/sports drink (non-carb), 1 litre+	CDL	0	1	1	0	0	0	0	0	1	1	2
	Flav. water/soft drink (carbonated), <1 litre	CDL	0	0	11	2	0	0	1	0	8	6	14
	Flav. water/soft drink (carbonated), 1 litre+	CDL	0	0	4	0	0	0	0	0	4	0	4
	Flavoured milk, <1 litre	CDL	0	3	6	0	0	0	0	0	9	0	9
	Flavoured milk, 1 litre+	BEV	0	1	2	0	0	0	0	0	3	0	3
	Fruit juice, <1 litre	CDL	0	0	5	0	0	1	0	0	6	0	6
	Fruit juice, 1 litre+	BEV	0	0	4	0	0	0	0	0	0	4	4
	Lollipop sticks	NBEV	0	30	8	4	14	3	4	4	49	18	67
	Other plastic	NBEV	6	134	392	146	20	89	62	76	840	85	925
	Packing tape & straps	NBEV	0	9	24	8	0	3	1	2	38	9	47
	Plain water (carbonated or non-carb), <1 litre	CDL	0	0	18	0	0	0	0	0	15	3	18
	Plain water (carbonated or non-carb), 1 litre+	CDL	0	0	1	0	0	1	0	0	2	0	2
	Plastic bottle tops	NBEV	3	58	71	43	8	21	13	12	180	49	229
	Sacks - sheeting - other bags	NBEV	0	1	9	1	0	0	5	1	15	2	17
	Snack bags & confectionery wrappers	NBEV	2	25	39	10	27	27	7	18	131	24	155
	Spoons/cutlery	NBEV	1	5	8	3	1	1	4	3	20	6	26
	Straws	NBEV	2	17	23	11	5	3	5	1	40	27	67
	Styrene foam boxes, sheets, etc.	NBEV	0	2	27	10	0	0	1	0	33	7	40
	Take away & cups	NBEV	1	35	67	30	1	10	5	11	118	42	160
	White milk, all sizes	BEV	0	0	7	0	0	0	0	0	0	7	7
Wine cask bladders	BEV	0	0	0	7	0	0	0	0	0	7	7	
TOTAL			15	338	743	287	81	163	113	130	1548	322	1870
GRAND TOTAL			97	1814	2391	1064	365	551	730	809	6264	1557	7821

Data Summary - Volumes

KESAB - Litter Strategy Monitoring Wave 81 - May 2021		Volume - Cubic Metres											
		BEACH	CAR PARK	HIGHWAY	INDUSTRIAL	RECREATIONAL PARK	RESIDENTIAL	RETAIL	SHOPPING CENTRE	METROPOLITAN	REGIONAL	TOTAL ITEMS	
CIGARETTE BUTTS		NBEV	0.000004	0.000092	0.000048	0.000034	0.000011	0.000015	0.000045	0.000044	0.00023	0.000061	0.000293
GLASS	Alcoholic sodas/spirit-based mixers, all sizes	CDL	0.000000	0.000000	0.000749	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000749	0.000749
	Beer, all colours of glass, <750ml	CDL	0.000000	0.000926	0.001389	0.003703	0.000463	0.000463	0.002315	0.000000	0.003703	0.005555	0.009258
	Beer, all colours of glass, 750ml+	CDL	0.000000	0.000000	0.007258	0.000000	0.000000	0.000000	0.000907	0.000000	0.001815	0.006351	0.008166
	Cider/fruit based etc.	CDL	0.000000	0.000000	0.000458	0.000458	0.000000	0.000000	0.000000	0.000000	0.000458	0.000458	0.000916
	Flav. water/fruit j. drink/sports drink (non-carb), <1 litre	CDL	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000
	Flav. water/fruit j. drink/sports drink (non-carb), 1 litre+	CDL	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000
	Flav. water/soft drink (carbonated), <1 litre	CDL	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000
	Flav. water/soft drink (carbonated), 1 litre+	CDL	0.001277	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.001277	0.001277
	Fruit juice, <1 litre	CDL	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000
	Fruit juice, 1 litre+	BEV	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000
	Other glass	NBEV	0.000000	0.000334	0.001100	0.000432	0.000039	0.000098	0.000079	0.000137	0.001768	0.000452	0.002219
	Plain water (carbonated or non-carb), <1 litre	CDL	0.000000	0.000000	0.002324	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.002324	0.002324
	Plain water (carbonated or non-carb), 1 litre+	CDL	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000
	Wine & spirit, all sizes	BEV	0.000000	0.000000	0.000891	0.000000	0.000000	0.000891	0.000000	0.000891	0.002674	0.000000	0.002674
Wine cooler, all sizes	CDL	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	
TOTAL		0.001277	0.001260	0.014169	0.004593	0.000502	0.001453	0.003300	0.001029	0.010418	0.017166	0.027583	
METAL	Aerosols - pressure packs	NBEV	0.000000	0.001368	0.002053	0.001368	0.000000	0.000000	0.000000	0.000000	0.004790	0.000000	0.004790
	Alcoholic sodas & spirit-based mixers	CDL	0.000863	0.000000	0.003451	0.000863	0.000000	0.000000	0.000000	0.000000	0.003883	0.001294	0.005177
	Beer, aluminium, all types, all sizes	CDL	0.000000	0.001294	0.005177	0.001726	0.000000	0.000000	0.000431	0.000000	0.003451	0.005177	0.008628
	Cider/fruit based etc.	CDL	0.000000	0.000431	0.000431	0.000000	0.000000	0.000000	0.000000	0.000000	0.000863	0.000000	0.000863
	Flav. water/soft drink, (carbonated), all sizes	CDL	0.001277	0.002553	0.008085	0.003404	0.000426	0.000426	0.000000	0.000426	0.012766	0.003830	0.016596
	Flav. water/soft drink, (non-carb), all sizes	CDL	0.000000	0.000000	0.000000	0.002671	0.000000	0.000000	0.000000	0.000000	0.000000	0.002671	0.002671
	Foil take away	NBEV	0.001387	0.000925	0.011560	0.003237	0.000000	0.000462	0.000462	0.000000	0.003699	0.014334	0.018033
	Food cans (including pet food)	NBEV	0.000000	0.001855	0.001391	0.001855	0.000000	0.000464	0.000000	0.000000	0.005102	0.000464	0.005566
	Industrial cans - all types	NBEV	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000
	Metal bottle tops and can pull rings	NBEV	0.000004	0.000244	0.000572	0.000140	0.000112	0.000052	0.000052	0.000072	0.001016	0.000232	0.001248
	Metal pieces	NBEV	0.000053	0.000085	0.000360	0.000180	0.000000	0.000042	0.000032	0.000000	0.000700	0.000053	0.000753
	Other foil	NBEV	0.000002	0.000051	0.000080	0.000025	0.000042	0.000030	0.000031	0.000002	0.000237	0.000025	0.000262
	TOTAL		0.003585	0.008808	0.033160	0.015469	0.000580	0.001476	0.001009	0.000499	0.036506	0.028080	0.064585

KESAB - Litter Strategy Monitoring Wave 81 - May 2021			Volume - Cubic Metres										
			BEACH	CAR PARK	HIGHWAY	INDUSTRIAL	RECREATIONAL PARK	RESIDENTIAL	RETAIL	SHOPPING CENTRE	METROPOLITAN	REGIONAL	TOTAL ITEMS
MISCELLANEOUS	Clothing & materials	NBEV	0.000000	0.000138	0.000796	0.000230	0.000077	0.000168	0.000031	0.000031	0.001025	0.000444	0.001469
	Condoms	NBEV	0.000000	0.000000	0.000000	0.000001	0.000000	0.000000	0.000000	0.000000	0.000001	0.000000	0.000001
	Construction materials	NBEV	0.000000	0.000720	0.001440	0.003600	0.000000	0.002160	0.000000	0.000000	0.006480	0.001440	0.007920
	Disposable nappies	NBEV	0.000000	0.001125	0.001125	0.000000	0.000000	0.000000	0.000000	0.000000	0.002250	0.000000	0.002250
	Ice cream sticks	NBEV	0.000000	0.000010	0.000003	0.000002	0.000004	0.000000	0.000001	0.000000	0.000010	0.000009	0.000019
	Illegal dumping	NBEV	0.000000	0.024000	0.024000	0.144000	0.000000	0.024000	0.000000	0.000000	0.144000	0.072000	0.216000
	Other miscellaneous	NBEV	0.000000	0.000203	0.000041	0.000027	0.000000	0.000081	0.000000	0.000189	0.000432	0.000108	0.000540
	Rubber pieces (not tyres)	NBEV	0.000001	0.000000	0.000003	0.000001	0.000001	0.000000	0.000000	0.000000	0.000007	0.000000	0.000007
	Syringes	NBEV	0.000000	0.000000	0.000000	0.000005	0.000000	0.000000	0.000000	0.000000	0.000005	0.000000	0.000005
	Tyres & pieces	NBEV	0.000000	0.000000	0.002700	0.000000	0.000000	0.000450	0.000000	0.000000	0.001800	0.001350	0.003150
TOTAL			0.000001	0.026196	0.030107	0.147865	0.000081	0.026860	0.000032	0.000220	0.156010	0.075351	0.231361
PAPER/PAPERBOARD	Cartons, flavoured milk, <1 litre	CDL	0.000000	0.002690	0.003362	0.000000	0.000000	0.001345	0.001345	0.000000	0.004707	0.004035	0.008742
	Cartons, flavoured milk, 1 litre+	BEV	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000
	Cartons, fruit juice, <1 litre	CDL	0.000000	0.000000	0.001250	0.000000	0.000625	0.000000	0.000000	0.000000	0.001250	0.000625	0.001874
	Cartons, fruit juice, 1 litre+	BEV	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000
	Cartons, milk, plain (white), all sizes	BEV	0.000000	0.000000	0.000000	0.005063	0.000000	0.000000	0.000000	0.000000	0.000000	0.005063	0.005063
	Cigarette packets	NBEV	0.000000	0.003050	0.003704	0.003922	0.000000	0.000436	0.000871	0.000654	0.009151	0.003486	0.012636
	Cups/take away containers	NBEV	0.000000	0.039363	0.035719	0.010205	0.000729	0.001458	0.000729	0.003645	0.074353	0.017495	0.091848
	Coffee cups	NBEV	0.000000	0.009310	0.024991	0.014701	0.000000	0.003920	0.002940	0.007840	0.047532	0.016171	0.063703
	Flav. water/fruit j. drink/sports drink (non-carb), <1 litre	CDL	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000
	Flav. water/fruit j. drink/sports drink (non-carb), 1 litre+	CDL	0.000000	0.000000	0.004140	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.004140	0.004140
	Ice cream wrappers	NBEV	0.000000	0.000005	0.000000	0.000000	0.000000	0.000000	0.000000	0.000012	0.000017	0.000000	0.000017
	Junk mail/free circulars	NBEV	0.000000	0.001218	0.002610	0.000870	0.000000	0.000348	0.000522	0.000522	0.001914	0.004176	0.006090
	Newspapers & magazines	NBEV	0.000000	0.002360	0.003540	0.017700	0.000000	0.008260	0.002360	0.000000	0.008260	0.025960	0.034220
	Other paper (including tissues)	NBEV	0.000078	0.001075	0.001829	0.000619	0.000338	0.000517	0.000480	0.000581	0.004651	0.000865	0.005516
	Straws	NBEV	0.000008	0.000153	0.000095	0.000017	0.000025	0.000037	0.000033	0.000074	0.000433	0.000008	0.000441
	Packages & boxes	NBEV	0.000000	0.000400	0.001760	0.001200	0.000000	0.000000	0.000000	0.000080	0.001200	0.002240	0.003440
	Paper bags	NBEV	0.000000	0.000032	0.000254	0.000063	0.000000	0.000021	0.000021	0.000063	0.000275	0.000180	0.000455
	Shopper docket & related shopping paper (eg. lists)	NBEV	0.000000	0.000057	0.000004	0.000008	0.000006	0.000000	0.000010	0.000035	0.000097	0.000022	0.000120
	Tickets, e.g. bus, ATM, vending machine etc.	NBEV	0.000000	0.000003	0.000003	0.000003	0.000000	0.000000	0.000000	0.000004	0.000010	0.000002	0.000011
	TOTAL			0.000086	0.059715	0.083260	0.054370	0.001723	0.016342	0.009312	0.013510	0.153850	0.084468

KESAB - Litter Strategy Monitoring Wave 81 - May 2021			Volume - Cubic Metres											
			BEACH	CAR PARK	HIGHWAY	INDUSTRIAL	RECREATIONAL PARK	RESIDENTIAL	RETAIL	SHOPPING CENTRE	METROPOLITAN	REGIONAL	TOTAL ITEMS	
PLASTIC	6 ring can holders	NBEV	0.000000	0.000000	0.000000	0.000002	0.000000	0.000000	0.000000	0.000000	0.000000	0.000002	0.000000	0.000002
	Bags - heavier glossy typically branded carry bags	NBEV	0.000000	0.000000	0.000175	0.000088	0.000000	0.000000	0.000175	0.000000	0.000175	0.000263	0.000438	
	Bags - supermarket type light weight carry bags	NBEV	0.000000	0.000204	0.000272	0.000170	0.000000	0.000034	0.000068	0.000000	0.000407	0.000339	0.000747	
	Bread bag tags	NBEV	0.000000	0.000001	0.000000	0.000000	0.000001	0.000001	0.000000	0.000000	0.000002	0.000002	0.000004	
	Containers, domestic type	NBEV	0.000000	0.016648	0.016648	0.024972	0.000000	0.000000	0.008324	0.008324	0.049944	0.024972	0.074916	
	Containers, industrial e.g. oil	NBEV	0.000000	0.000000	0.022458	0.044916	0.000000	0.000000	0.000000	0.000000	0.044916	0.022458	0.067374	
	Drink pouches	CDL	0.000000	0.000086	0.000086	0.000000	0.000000	0.000000	0.000000	0.000000	0.000173	0.000000	0.000173	
	Flav. water/fruit j. drink/sports drink (non-carb), <1 litre	CDL	0.000000	0.001475	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.001475	0.000000	0.001475	
	Flav. water/fruit j. drink/sports drink (non-carb), 1 litre+	CDL	0.000000	0.001201	0.001201	0.000000	0.000000	0.000000	0.000000	0.000000	0.001201	0.001201	0.002402	
	Flav. water/soft drink (carbonated), <1 litre	CDL	0.000000	0.000000	0.006843	0.001244	0.000000	0.000000	0.000622	0.000000	0.004977	0.003733	0.008710	
	Flav. water/soft drink (carbonated), 1 litre+	CDL	0.000000	0.000000	0.006616	0.000000	0.000000	0.000000	0.000000	0.000000	0.006616	0.000000	0.006616	
	Flavoured milk, <1 litre	CDL	0.000000	0.001598	0.003196	0.000000	0.000000	0.000000	0.000000	0.000000	0.004794	0.000000	0.004794	
	Flavoured milk, 1 litre+	BEV	0.000000	0.002137	0.004273	0.000000	0.000000	0.000000	0.000000	0.000000	0.006410	0.000000	0.006410	
	Fruit juice, <1 litre	CDL	0.000000	0.000000	0.002000	0.000000	0.000000	0.000400	0.000000	0.000000	0.002400	0.000000	0.002400	
	Fruit juice, 1 litre+	BEV	0.000000	0.000000	0.008547	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.008547	0.008547	
	Lollipop sticks	NBEV	0.000000	0.000016	0.000004	0.000002	0.000007	0.000002	0.000002	0.000002	0.000026	0.000010	0.000036	
	Other plastic	NBEV	0.000008	0.000168	0.000490	0.000183	0.000025	0.000111	0.000078	0.000095	0.001050	0.000106	0.001156	
	Packing tape & straps	NBEV	0.000000	0.000002	0.000006	0.000002	0.000000	0.000001	0.000000	0.000001	0.000010	0.000002	0.000013	
	Plain water (carbonated or non-carb), <1 litre	CDL	0.000000	0.000000	0.014182	0.000000	0.000000	0.000000	0.000000	0.000000	0.011819	0.002364	0.014182	
	Plain water (carbonated or non-carb), 1 litre+	CDL	0.000000	0.000000	0.001542	0.000000	0.000000	0.001542	0.000000	0.000000	0.003083	0.000000	0.003083	
	Plastic bottle tops	NBEV	0.000024	0.000464	0.000568	0.000344	0.000064	0.000168	0.000104	0.000096	0.001441	0.000392	0.001833	
	Sacks - sheeting - other bags	NBEV	0.000000	0.000000	0.000003	0.000000	0.000000	0.000000	0.000002	0.000000	0.000005	0.000001	0.000005	
	Snack bags & confectionery wrappers	NBEV	0.000016	0.000196	0.000305	0.000078	0.000211	0.000211	0.000055	0.000141	0.001026	0.000188	0.001214	
Spoons/cutlery	NBEV	0.000010	0.000048	0.000077	0.000029	0.000010	0.000010	0.000038	0.000029	0.000192	0.000058	0.000250		
Straws	NBEV	0.000008	0.000070	0.000095	0.000045	0.000021	0.000012	0.000021	0.000004	0.000165	0.000111	0.000276		
Styrene foam boxes, sheets, etc.	NBEV	0.000000	0.000075	0.001013	0.000375	0.000000	0.000000	0.000038	0.000000	0.001238	0.000263	0.001500		
Take away & cups	NBEV	0.000207	0.007246	0.013870	0.006211	0.000207	0.002070	0.001035	0.002277	0.024428	0.008695	0.033123		
White milk, all sizes	BEV	0.000000	0.000000	0.014957	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.014957	0.014957		
Wine cask bladders	BEV	0.000000	0.000000	0.000000	0.003220	0.000000	0.000000	0.000000	0.000000	0.000000	0.003220	0.003220		
TOTAL			0.000272	0.031635	0.119429	0.081880	0.000546	0.004562	0.010561	0.010969	0.167975	0.091880	0.259855	
GRAND TOTAL			0.005225	0.127706	0.280173	0.304212	0.003443	0.050706	0.024259	0.026271	0.524990	0.297006	0.821996	